



Smith and Nephew, Inc.
Katherine Marcaccio
Senior Regulatory Affairs Specialist
7135 Goodlett Farms Parkway
Cordova, Tennessee 38016

May 30, 2018

Re: K180361

Trade/Device Name: MICRORAPTOR REGENESORB Suture Anchor
Regulation Number: 21 CFR 888.3030
Regulation Name: Single/multiple component metallic bone fixation appliances and accessories
Regulatory Class: Class II
Product Code: MAI
Dated: April 26, 2018
Received: April 27, 2018

Dear Ms. Marcaccio:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to <http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm> for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

For comprehensive regulatory information about medical devices and radiation-emitting products, including information about labeling regulations, please see Device Advice (<https://www.fda.gov/MedicalDevices/DeviceRegulationandGuidance/>) and CDRH Learn (<http://www.fda.gov/Training/CDRHLearn>). Additionally, you may contact the Division of Industry and Consumer Education (DICE) to ask a question about a specific regulatory topic. See the DICE website (<http://www.fda.gov/DICE>) for more information or contact DICE by email (DICE@fda.hhs.gov) or phone (1-800-638-2041 or 301-796-7100).

Sincerely,

Katherine D. Kavlock -S

for
Mark N. Melkerson
Director
Division of Orthopedic Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Food and Drug AdministrationForm Approved: OMB No. 0910-0120
Expiration Date: 06/30/2020
See PRA Statement below.**Indications for Use**

510(k) Number (if known)

K180361

Device Name

MICRORAPTOR REGENESORB Suture Anchor

Indications for Use (Describe)

The Smith & Nephew MICRORAPTOR Suture Anchor is intended for the reattachment of soft tissue to bone for the following indications:

Hip

Acetabular labrum repair/reconstruction

Shoulder

- Capsular stabilization
 - Bankart repair
 - Anterior shoulder instability
 - SLAP lesion repairs
 - Capsular shift or capsulolabral reconstructions
- Biceps tenodesis

Type of Use (Select one or both, as applicable)

☒ Prescription Use (Part 21 CFR 801 Subpart D)☐ Over-The-Counter Use (21 CFR 801 Subpart C)**CONTINUE ON A SEPARATE PAGE IF NEEDED.**

This section applies only to requirements of the Paperwork Reduction Act of 1995.

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510(k) Summary

Prepared: 26 APRIL 2018

Submitter Information	Contact Information
Smith & Nephew, Inc. Endoscopy Division 150 Minuteman Road Andover, MA 01810	Katherine Marcaccio Senior Regulatory Affairs Specialist Phone: (508) 261-3602 Fax: (978) 749-1443

Device Name & Classification	
Proprietary Name	MICRORAPTOR REGENESORB Suture Anchor
Common Name	Soft Tissue Fixation Device
Classification Name	Fastener, fixation, biodegradable, soft tissue
Classification Regulation	21 CFR 888.3030
Class	II
Product Code(s)	MAI
Panel	Orthopedic

Legally Marketed Predicate Devices

The Smith & Nephew MICRORAPTOR REGENESORB Suture Anchor is substantially equivalent in intended use and Fundamental Scientific Technology to the following legally marketed devices in commercial distribution:

Description	Submission Number	Clearance Date
OSTEORAPTOR OS Suture Anchor	K101459	January 27, 2011
OSTEORAPTOR Suture Anchor	K082215	November 3, 2008
NANOTACK Suture Anchor, 1.4mm	K131769	October 7, 2013

Device Description

The Smith & Nephew MICRORAPTOR Suture Anchor consists of an anchor on a flexible and/or straight inserter, flexible and/or straight drill, and curved and/or straight insertion accessory instruments. The implant will be offered in an absorbable material (REGENESORB), single loaded #1 ULTRABRAID suture with multiple suture color offerings. This device is provided sterile, for single use only.

Intended Use

The Smith & Nephew MICRORAPTOR Suture Anchor is intended for the reattachment of soft tissue to bone for the following indications:

Hip

- Acetabular labrum repair/reconstruction

Shoulder

- Capsular stabilization
 - Bankart repair
 - Anterior shoulder instability
 - SLAP lesion repairs
 - Capsular shift or capsulolabral reconstructions
- Biceps tenodesis

Technological Characteristics

The Smith & Nephew MICRORAPTOR REGENESORB Suture Anchor is substantially equivalent in intended use and fundamental scientific technology to the legally marketed predicate devices - Smith and Nephew OSTEORAPTOR OS Suture Anchor (K101459), and the Pivot NANOTACK Suture Anchor, 1.4mm (K131769), and raises no new issues of safety and efficacy. The Smith & Nephew MICRORAPTOR REGENESORB Suture Anchor and the predicate OSTEORAPTOR OS Suture Anchor (K101459) use identical implant materials. The Smith & Nephew OSTEORAPTOR Suture Anchor (K082215) has identical geometry to the OSTEORAPTOR OS Suture Anchor (K101459), and is composed of absorbable PLLA/HA material. The Smith & Nephew MICRORAPTOR REGENESORB Suture Anchor and the predicate NANOTACK Suture Anchor, 1.4mm (K131769) have similar geometry.

Summary Performance Data

Bacterial endotoxin testing was completed and met acceptable endotoxin limits per ANSI/AAMI ST72:2011. Performance data demonstrates that the MICRORAPTOR REGENESORB Suture Anchor has met performance specifications for insertion strength and pull-out strength based on the predicate Pivot NANOTACK Suture Anchor, 1.4mm (K131769). Performance data demonstrates that the MICRORAPTOR REGENESORB Suture Anchor has met performance specifications for cyclic loading based on the predicate OSTEORAPTOR Suture Anchor (K082215). Therefore, the MICRORAPTOR REGENESORB Suture Anchor is considered substantially equivalent to the currently marketed predicate devices.

Substantial Equivalence Information

The substantial equivalence of the MICRORAPTOR REGENESORB Suture Anchor is based on similarities in indications for use, design features, operational principles, material biocompatibility and composition, and performance to the predicate devices listed above. Based on the similarities to the predicates, the MICRORAPTOR REGENESORB Suture Anchor is substantially equivalent to its predicates.